

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re A	pplication	on of:)	
Ronald	D. BLU	JM et al.)	Group Art Unit: 2873
Applic	ation Nu	umber: 10/627,828)	Examiner: Unassigned
Filed: Title:	METH VISIO	EM, APPARATUS AND IOD FOR CORRECTING N USING AN ELECTRO- VE LENS))))))	
				DSURE STATEMENT L LETTER
P.O. B	ox 1450	for Patents A 22313-1450		
Sir:				
	Enclos	ed is an Information Disclosure	Stateme	ent, accompanying form PTO-1449, and copies of
referer	nces in co	onnection with the above-identif	ied pater	nt application.
	[X]	No additional fee for submission	on of an	IDS is required.
	[]	The fee of \$180.00 as set forth	in 37 C.	F.R. §1.17(p) is also enclosed.
	[]	A certification under 37 C.F.R.	§1.97(e	e) is also enclosed.
	[]	A certification under 37 C.F.R.	§1.97(e	e), a petition requesting consideration
		of the information disclosure st	atement	, and the petition fee of \$130.00
		as set forth in 37 C.F.R. §1.17(i) are als	so enclosed.
	[]	Charge \$ to Deposit A	.ccount]	No. 08-3436 for the fee due.
	[X]	A Mail Certificate Under 37 C.	F.R. §1	8.
			1	

[X] A self-addressed stamped return postcard.

The Commissioner is hereby authorized to charge any appropriate fees that may be required by this paper to Deposit Account No. 08-3436.

Date: February 11, 2004

Respectfully submitted,

HUNTON & WILLIAMS Riverfront Plaza, East Tower 951 East Byrd Street

Richmond, VA 23219 Tel: (804) 788-8516 Fax: (804) 343-4666 Shawn K. Leppo

Registration No. 50,311



Attorney Docket No. <u>63049.000092</u> Customer No. <u>27682</u>

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re US Patent Application of:)
Ronald D. Blum et al.)
Application No.: 10/627,828) Group Art Unit: 2873
Filing Date: July 25, 2003) Examiner: Unassigned
Title: SYSTEM, APPARATUS AND)
METHOD FOR CORRECTING)
VISION USING AN ELECTRO	-)
ACTIVE LENS)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Attached hereto is a duly completed Form PTO-1449 listing references which may be considered either material or helpful to the examination of the above-identified patent application. Pages 1-7 of Form PTO-1449 list references which were submitted in the priority applications and consequently duplicate copies of these references are not attached hereto. Copies of the references found on pages 8-10 and not previously of record are enclosed for the Examiner's review. It is requested that all these references be considered by the Examiner and officially made of record.

Date: February 11, 2004

Hunton & Williams

Riverfront Plaza, East Tower 951 East Byrd Street Richmond, VA 23219-4074 (804) 788-8516 telephone number (804) 343-4666 facsimile number Respectfully submitted,

Shawn K. Leppo

Registration No. 50,311

Sheet 1 of 10

Form PTO (Rev. 8-83)		U.S. Department Patent and Trad	nt of Commerce demark Office	Atty. Docket No.: 6	3049.000092	Application	No.: 10/627,828		
INFO		TION DISC							
((Use sev	veral sheets if nece	essary)	Applicant: Ronald	Applicant: Ronald D. Blum et al.				
				Filing Date: July 25	5, 2003	Group: 287	73		
			U.S. PA	TENT DOCUM	ENTS	<u> </u>			
Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)		
_	1	Re. 35,691	12/16/97	Theirl et al.					
	2	D 298,250	10/25/88	Kildall					
	3	D 342,063	12/7/93	Howitt et al.					
	4	D 350,342	9/6/94	Sack					
	5	2,437,642	3/9/48	Henroteau					
	6	2,576,581	11/27/51	Edwards					
	7	3,161,718	12/15/64	de Luca					
	. 8	3,245,315	4/12/66	Marks et al.					
	9	3,614,215	10/19/71	Mackta	+				
	10	3,738,734	6/12/73	Tait et al.	1				
	11	4,174,156	11/13/79	Glorieux					
	12	4,181,408	1/1/80	Senders	-				
	13	4,190,330	2/26/80	Berreman					
Examiner:				Date Considered:		<u></u>			
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Sheet 2 of 10

Form PTO (Rev. 8-83)	-1449	U.S. Department Patent and Trace	nt of Commerce lemark Office	Atty. Docket No.: 63	049.000092	Application No.: 10/627,828		
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				Filing Date: July 25	, 2003	Group: 287	3	
			U.S. PA	TENT DOCUME	ENTS	·		
Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)	
	14	4,264,154	4/28/81	Peterson				
	15	4,279,474	7/21/81	Belgorod				
	16	4,300,818	11/17/81	Schachar				
	17	4,373,218	2/15/83	Schachar				
	18	4,395,736	7/26/83	Fraleux				
	19	4,418,990	12/6/83	Gerber				
	20	4,457,585	7/3/84	DuCorday				
	21	4,466,706	8/21/84	Lamothe, II				
	22	4,529,268	7/16/85	Brown				
	23	4,564,267	1/14/86	Nishimoto				
	24	4,572,616	2/25/86	Kowel et al.				
	25	4,577,928	3/25/86	Brown		-		
	26	4,601,545	7/22/86	Kern				
	27	4,609,824	9/2/86	Munier et al.				
	28	4,712,870	12/15/87	Robinson et al.				
	29	4,756,605	7/12/88	Okada et al.				
Examiner:				Date Considered:				
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Sheet 3 of 10

Form PTO (Rev. 8-83)	-1449	U.S. Department Patent and Trace	nt of Commerce lemark Office	Atty. Docket No.: 63	049.000092	Application No.: 10/627,828		
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				Applicant: Ronald I				
				Filing Date: July 25	, 2003	Group: 287	3	
			U.S. PA	ATENT DOCUME	ENTS			
Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)	
-	30	4,772,094	9/20/88	Sheiman				
	31	4,795,248	1/3/89	Okada et al.		:		
	32	4,818,095	4/4/89	Takeuchi				
	33	4,836,652	6/6/89	Oishi et al.				
	34	4,880,300	11/14/89	Payner et al.				
	35	4,904,063	2/27/90	Okada et al.				
	36	4,907,860	3/13/90	Noble				
	37	4,919,520	4/24/90	Okada et al.				
	38	4,927,241	5/22/90	Kuijk				
	39	4,929,865	5/29/90	Blum				
	40	4,930,884	6/5/90	Tichenor et al.				
	41	4,945,242	7/31/90	Berger et al.				
	42	4,952,788	8/28/90	Berger et al.				
	43	4,958,907	9/25/90	Davis				
Examiner:				Date Considered:				

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet <u>4</u> of <u>10</u>

Form PTO (Rev. 8-83)		U.S. Departmer Patent and Trad	nt of Commerce lemark Office		Atty. Docket No.: 63	049.000092	Application	No.: 10/627,828
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					Filing Date: July 25,	, 2003	Group: 287	3
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Examiner Initial*		Document Number	Date		Name	Class	Subclass	Filing Date (if appropriate)
	44	4,961,639	10/9/90	L	azarus			
	45	4,968,127	11/6/90	R	tussell et al.			
	46	4,981,342	1/1/91	F	ïala			· · · · · · · · · · · · · · · · · · ·
	47	4,991,951	2/12/91	N	lizuno et al.			
	48	5,015,086	5/14/91	C	Okaue et al.			
	49	5,030,882	7/9/91	s	olero			
	50	5,066,301	11/19/91	V	Viley			
	51	5,073,021	12/17/91	T _N	Marron			
	52	5,076,665	12/31/91	P	etersen			
	53	5,091,801	2/25/92	E	bstein			
	54	5,108,169	4/28/92	M	Mandell			
	55	5,130,856	7/14/92	T	ichenor et al.			
	56	5,142,411	8/25/92	F	ïala			
	57	5,171,266	12/15/92	TV	Viley et al.			
	58	5,182,585	1/26/93	s	toner			
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Sheet 5 of 10

Form PTO (Rev. 8-83)		U.S. Department Patent and Trad	nt of Commerce demark Office	Atty. Docket No.: 6	3049.000092	Application	No.: 10/627,828			
INFOR		TION DISC FATEMEN		•						
((Use sev	veral sheets if nece	essary)	Applicant: Ronald	Applicant: Ronald D. Blum et al.					
				Filing Date: July 25	5, 2003	Group: 287	3			
			U.S. PA	ATENT DOCUM	ENTS	1				
Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)			
	59	5,184,156	2/2/93	Black et al.						
	60	5,200,859	4/6/93	Payner et al.						
	61	5,208,688	5/4/93	Fergason et al.						
	62	5,229,885	7/20/93	Quaglia						
	63	5,239,412	8/24/93	Naka et al.						
_	64	5,306,926	4/26/94	Yonemoto						
	65	5,324,930	6/28/94	Jech, Jr.			· ·			
	66	5,352,886	10/4/94	Kane						
	67	5,359,444	10/25/94	Piosenka et al.						
	68	5,375,006	12/20/94	Haas						
	69	5,382,986	1/17/95	Black et al.						
	70	5,440,357	8/8/95	Quaglia						
	71	5,443,506	8/22/95	Gurabet		<u> </u>				
	72	5,451,766	9/19/95	Van Berkel						
	73	5,488,439	1/30/96	Weltmann						
Examiner:	<u> </u>		<u> </u>	Date Considered:	•	<u> </u>				
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Form PTC (Rev. 8-83)		U.S. Department of Patent and Trader	of C mark	Commerce COffice		Atty. Docket No.: 63	3049.000	092	Аp	plicatio	n No.	: 10/627,828
INFO	INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)											
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						Applicant: Ronald D. Blum et al.						
				Filing Date: July 25	, 2003		Gro	oup: 28	373			
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Examiner Initial*		Document Number		Date		Name	Class	Su	ibel	ass	(i	Filing Date f appropriate)
	74	5,522,323	6/4	/96	Ric	chard				-		
	75	5,608,567	3/4	/97	Gr	upp						
	76	5,615,588	4/1	/97	Go	ttschald				-		
	77	5,654,786	8/5	/97	Ву	lander						
	78	5,712,721	1/2	7/98	La	rge						
	79	5,728,155	3/1	7/98	An	ello et al.						
	80	5,739,959	4/1	4/98	Qu	aglia						·
	81	5,777,719	7/7	/98	Wi	lliams et al.						
	82	5,815,233	9/2	9/98	Mo	orokawa et al.				-		
	83	5,861,936	1/1	9/99	So	renson		İ				
	84	5,900,720	5/4	/99	Ka	llman et al.						
	85	5,949,521	9/7	/99	Wi	lliams et al.						_
	86	5,980,037	11/	9/99	Co	nway						
	87	6,325,508	12/	4/01	De	creton et al.						
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		Document Numbe	r	Date		Country		Class	ì	Subc	lass	Translation Yes No
	1	WO 98/27863		7/2/98		WIPO						X

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Examiner:

Sheet _7_ of 10

	(Rev. 8-83) U.S. Department of Commerce Patent and Trademark Office					Docket No.: 63049.0	00092	Application	No.: 10/627,828	
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	3	0 23	33 104 A1	8/19/8	7	EPO				(Abstract)
	4	0 23	37 365 A1	9/16/8	7	EPO				(Abstract)
	5	1-23	37610	9/22/8	9	Japan				(Abstract)
	6	216	9417A	7/09/8	6	UK				Х
	7	217	0613A	8/6/86	_	UK		<u>-</u>		х
-	8	55-0	076323	6/9/80		Japan				(Abstract)
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		1	"Focusing by Electric Optics, Vol. 23, No. 2	, Januar	y 15, 19	984, pp. 278-289				
		2	"Computer Vision Sy September 15, 1997,			yestrain Epidemic"	Robert	A. Davis, O.	D., Review of Op	tometry,
		3	"The Use of Yoked B	ase-Up a	and Bas					art M. Lazarus,
		4	O.D., Journal of the A Eyecare Business, Oc				Aprii 199	o, pp. 204-20	J6	
		5	"Vision Through a Li Conference, Durham,				or"; Ları	y N. Thibos	et al., Inpress, A	daptive Optics
		6	"Requirements for Se	gmented	Spatial	Light Modulators				
		7	Eyes"; Larry N. Thibe "Use of Liquid-Cryst:							
			Optometry and Vision	Science	e, Vol. 7	4, No. 7, July 1997	,	•	•	·
		8	"Electronic Spectacle							
		9	"Profile: Larry N. Th	ibos, Ph	.D. and				of Optometry, V	ol. 2, No. 1, pp. 5-
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Form PTC (Rev. 8-83)		U.S. Department Patent and Trace	nt of Commerce lemark Office	Atty. Docket No.: 63	3049.000092	Application	No.: 10/627,828			
INFOI		TION DISC FATEMEN								
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				Filing Date: July 25	Filing Date: July 25, 2003 Group: 2873					
_	•		U.S. PA	TENT DOCUMI	ENTS					
Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)			
	1	4,787,733	11/29/88	Silva						
	2	4,919,520	04/24/90	Okada et al.						
	3	5,050,981	09/24/91	Roffman						
	4	5,114,628	05/19/92	Höfer et al.	-					
	5	5,682,223	10/28/97	Menezes et al.						
	6	5,712,721	01/27/98	Large						
	7	5,815,239	09/29/98	Chapman et al.						
	8	5,953,098	09/14/99	Lieberman et al.						
	9	6,086,204	07/11/00	Magnante						
	10	6,095,651	08/01/00	Williams et al.						
	11	6,145,987	11/14/00	Baude et al.						
	12	6,305,802	10/23/01	Roffman et al.			,			
	13	6,554,425	04/29/03	Roffman et al.						
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	14	6,609,794	08/26/03	Levine	<u> </u>	 			
	14	0,009,794	08/20/03	Leville		1			
	15	6,616,275	09/09/03	Dick et al.					
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	16	6,616,279	09/09/03	Davis et al.					
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	3	PCT/US97/21688	11/21/97	PCT					
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Sheet 10 of 10 n PTO-1449 U.S. Department of Commerce Atty. Docket No.: Application No.: (Rev. 8-83) Patent and Trademark Office 63049.000092 10/627,828 INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) Applicant: Ronald D. Blum et al. Filing Date: Group: 2873 July 25, 2003 FOREIGN PATENT DOCUMENTS Document Date Country Class Subclass Translation Number Yes No Examiner OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Initial* "Control Optimization of Spherical Modal Liquid Crystal Lenses"; A. F. Naumov and G. D. Love, Optics Express, Vol. 4, No. 9, April 26, 1999, pp. 344-352 2 "Liquid Crystal Adaptive Lenses with Modal Control"; A. F. Naumov and M. Yu Loktev, Optics Letters, Vol. 23, No. 13, July 1, 1998, pp. 992-994 3 "Liquid Lenses Eye Commercial Breakthrough" (Internet Article under "Optics.org"); from Opto & Laser, November 2003 Examiner: Date Considered: *EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.